Abstract of the Disclosure

An ACC system includes a controllable amplifier having an input coupled to receive a chroma input signal and an output for providing an chroma output signal of controllable amplitude. A first feedback path, including a cascade connection of means for providing a signal representative of a measured burst amplitude, means for providing an error signal representative of the difference between a desired burst amplitude and the measured burst amplitude, and an integrator, is coupled between the output of the controllable amplifier and a gain control input of the controllable amplifier. A second feedback path, coupled from an output of the integrator to an input thereof, reduces the gain of the amplifier means in a controlled manner for values of a burst component of the chroma input signal below a predetermined threshold value provided by a control signal source, the reduction being at a predetermined rate controlled by a scaling signal device, thereby providing an output system response characteristic having a precisely controllable knee and slope below a predetermined amplitude of a burst component of the chroma input signal.